

77 Rec'd PCT PHOTO 03 OCT 2001

Form PTO-1390.		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER P20715
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/786,368	
INTERNATIONAL APPLICATION NO. PCT/SG98/00072	INTERNATIONAL FILING DATE 16 September 1998	PRIORITY DATE CLAIMED	
TITLE OF INVENTION LINEAR OBJECT VECTORIZATION IN COLOUR/GRAYSCALE IMAGES			
APPLICANT(S) FOR DO/EO/US Jian Kang WU, Weiming ZHANG, Yiqun LI, and Ziqiang DONG			
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information.</p> <ol style="list-style-type: none"> <li><input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).</li> <li><input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).</li> <li><input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> has been communicated by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).</li> <li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li><input type="checkbox"/> have been communicated by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3))</li> <li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). "Executed"</li> <li><input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11 to 16 below concern other document(s) or information included:</b></p> <ol style="list-style-type: none"> <li>Assignee: <u>Kent Ridge Digital Labs of Singapore</u></li> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input type="checkbox"/> Figure of Drawing to be published _____</li> <li><input checked="" type="checkbox"/> Other items or information: Cover Letter Form PCT/DO/EO/905 Form PCT/DO/EO/917 Extension of Time</li> </ol>			

U.S. APPLICATION NO. (If known, see 1.5) 09/786,368		INTERNATIONAL APPLICATION NO. PCT/SG98/00072		ATTORNEY'S DOCKET NUMBER P20715			
19. The following fees are submitted:  Basic National Fee (37 CFR 1.492(a)(1)) <b>PTO/PCT Rec'd 03 OCT 2001</b> Search report has been prepared by the EPO or JPO. \$ 860.00 International preliminary examination fee paid to USPTO (37 CFR 1.482). \$ 690.00 No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO(37 CFR 1.445(a)(2)). \$ 710.00 Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO. \$1,000.00 International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4). \$ 100.00  ENTER APPROPRIATE BASIC FEE AMOUNT =				CALCULATIONS		PTO USE ONLY	
				\$ 0.00			
Surcharge of \$130.00 for furnishing the oath or declaration later than <u>X</u> 20 <u>  </u> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$130.00			
Claims		Number Filed		Number Extra		RATE	
Total Claims		26 - 20 =		6		X \$18.00	
Independent Claims		3 - 3 =		0		X \$80.00	
Multiple dependent claim(s) (if applicable)				+ \$270.00		\$ 0.00	
TOTAL OF ABOVE CALCULATIONS =				\$130.00			
<u>  </u> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$ 0.00			
SUBTOTAL =				\$130.00			
Processing fee of \$130.00 for furnishing the English translation later than <u>  </u> 20 <u>  </u> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+		\$ 0.00	
Extension of Time fee in the amount of \$920.00						\$920.00	
TOTAL NATIONAL FEE =				\$1,050.00			
Fee for recording the enclosed assignment (37 CFR 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+			
10/05/2001 LLANDGRA 00000057 09786368				TOTAL FEES ENCLOSED =		\$1,050.00	
01 FC:154		130.00 OP				Amount to be refunded \$	
02 FC:117		920.00 OP					
						Charged \$	
a. <u>X</u> A check in the amount of \$1,050.00 to cover the above fees is enclosed.							
b. <u>  </u> Please charge my Deposit Account No. <u>  </u> in the amount of \$ <u>  </u> to cover the above fees.							
c. <u>X</u> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>19-0089</u> .							
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.							
SEND ALL CORRESPONDENCE TO CUSTOMER NO. 7055 AT THE PRESENT ADDRESS OF: Bruce H. Bernstein GREENBLUM & BERNSTEIN, P.L.C. 1941 Roland Clarke Place Reston, VA 20191 (703) 716-1191							
				SIGNATURE <u>Bruce H. Bernstein</u> NAME <u>33,329</u>			
				29.027 REGISTRATION NUMBER			

PTO/PCT Rec'd 09 OCT 2001

P20715.P06

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jiang Kang WU et al.

Serial No : 09/786,368  
(National Stage of PCT/SG98/00072)

Filed : March 15, 2001

For : LINEAR OBJECT VECTORIZATION IN COLOUR/GRAYSCALE IMAGES

**COVER LETTER**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir:

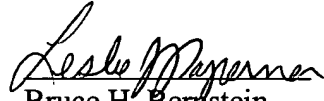
In order to comply with the requirements (copy enclosed) for the submission of an executed declaration of the International Application set forth in the Notification mailed May 3, 2001 which sets a two months period of response until July 3, 2001, and being extended by three months to October 3, 2001, Applicants hereby submit:

- Transmittal Letter to the United States Designated/Elected Office Concerning a Filing Under 35 U.S.C. 371
- an executed Declaration and Power of Attorney;
- a Request for Extension of Time
- a check in the amount of \$1,050.00 of which \$130.00 is for payment of the surcharge for late filing of the Declaration and \$920.00 is for payment of the three months extension of time..

The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 19-0089.

Should the Examiner have any questions, he is invited to contact the undersigned at the below listed number.

Respectfully submitted,  
Jiang Kang WU et al.

  
Bruce H. Bernstein  
Reg. No. 29,027

*Reg. No. 33,329*

October 2, 2001  
GREENBLUM & BERNSTEIN, P.L.C.  
1941 Roland Clarke  
Reston, VA 20191  
(703) 716-1191



## UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/786368	WU J	P20715.P02
INTERNATIONAL APPLICATION NO.		
PCT/SG98/00072		
I.A. FILING DATE		PRIORITY DATE
16 SEP 98		

GREENBLUM & BERNSTEIN  
1941 ROLAND CLARKE PLACE  
RESTON, VA 20191

DATE MAILED:

09 MAY 2001

## NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as ☐ a Designated Office (37 CFR 1.494) ☒ an Elected Office (37 CFR 1.495):
- |   |  |
|---|--|
| <input checked="" type="checkbox"/> U.S. Basic National Fee.  | <input type="checkbox"/> Indication of Small Entity Status.                                    |
| <input checked="" type="checkbox"/> Copy of the international application.  | <input checked="" type="checkbox"/> Translation of the international application into English. |
| <input type="checkbox"/> Oath or Declaration of inventors(s).   | <input type="checkbox"/> Translation of Article 19 amendments into English.                    |
| <input type="checkbox"/> Copy of Article 19 amendments.   | <input type="checkbox"/> Other:  |
| <input type="checkbox"/> Priority Document.   |  |
| <input type="checkbox"/> The International Preliminary Examination Report in English and its Annexes, if any.     |  |
| <input type="checkbox"/> Translation of Annexes to the International Preliminary Examination Report into English. |  |
2. ☐ Applicant has requested early processing under 35 U.S.C. 371(f) but has not filed the following indicated items and/or the indicated items in paragraph 3 below. The Basic National Fee and the copy of the international application must be filed prior to 20 or 30 months from the priority date to avoid abandonment.
- ☐ U.S. Basic National Fee. ☐ Copy of the international application.
3. The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:
- ☐ a. Translation of the application into English. A processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.
- ☐ The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.
- ☐ b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).
- ☒ c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), properly identifying the application (preferably by the International application number and international filing date). A surcharge will be required if submitted later than the appropriate 20 or 30 months from the priority date.
- ☐ The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.
- ☒ d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).
4. Additional claim fees of \$\_\_\_\_\_ as a ☐ large entity ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due (37 CFR 1.492(g)). See attached PTO-875.
5. ☐ Applicant has not submitted the required sequence listing pursuant to 37 CFR 1.821-1.825. See attached PCT/DO/EO/920.

**ALL OF THE ITEMS SET FORTH IN 3(a)-3(d), 4 AND 5 ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 22 OR 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

6. If box 3a or 3c is checked, a translation of the Annexes **MUST** be submitted no later than the time period set above or the Annexes will be cancelled. A processing fee will be required if submitted later than 20 or 30 months from the priority date.
7. ☐ The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date.

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

**A copy of this notice MUST be returned with this response.**

Enclosed: ☒ PCT/DO/EO/917 ☐ Notice of Defective Translation  
☐ PTO-875 ☐ PCT/DO/EO/920

FORM PCT/DO/EO/905 (March 2001)

Paulette Kidwell, Paralegal  
Telephone: 703-305-3656

RECEIVED

MAY 04 2001

GREENBLUM &amp; BERNSTEIN, P.L.C.

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UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

U.S. APPLICATION NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
09/786368	WU	P20715.P02
INTERNATIONAL APPLICATION NO.		
PCT/SG98/00072		
I.A. FILING DATE	PRIORITY DATE	
16 SEP 98		

GREENBLUM & BERNSTEIN  
1941 ROLAND CLARKE PLACE  
RESTON, VA 20191

DATE MAILED:

03 MAY 2001

**NOTIFICATION OF A DEFECTIVE OATH OR DECLARATION**

This application fails to contain an oath or declaration acceptable under 35 U.S.C. 371(c)(4) for entry into the national stage in the United States of America. The period within which to correct the deficiency noted below and avoid abandonment is set in the accompanying Notification.

A new oath or declaration, properly identifying this application (preferably by the international application number and international filing date) is required. The oath or declaration does not comply with 37 CFR 1.497(a),(b) and (f) in that it:

1. ☒ is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
2. ☐ does not identify the application to which it is directed.
3. ☐ does not identify the inventor(s).
4. ☐ does not identify the citizenship of each inventor.
5. ☐ does not state that the person making the oath or declaration believes the named inventor or inventors to be the original and first inventor or inventors of the subject matter which is claimed and for which a patent is sought.

FAILURE TO SUBMIT AN OATH OR DECLARATION IN COMPLIANCE WITH 37 CFR 1.497(a) AND (b), AND 1.497(d) WHERE APPROPRIATE, WITHIN THE TIME PERIOD SET WILL RESULT IN FAILURE TO ENTER THE NATIONAL STAGE AND THE ABANDONMENT OF THE APPLICATION.

Additionally, the oath or declaration does not comply with 37 CFR 1.63 in that it:

1. ☐ does not identify the mailing address of each inventor. If the residence is different from the mailing address, then the city and state or city and foreign country of residence of each inventor must also be given.
2. ☐ does not state that the person making the oath or declaration:
  - a. ☐ has reviewed and understands the contents of the application, including the claims, as amended by any amendment specifically referred to in the oath or declaration.
  - b. ☐ acknowledges the duty to disclose to the Office all information known to the person to be material to patentability as defined in 37 CFR 1.56.
3. ☐ does not identify the foreign application for patent or inventor's certificate for which a claim for priority is made pursuant to 37 CFR 1.55, and any foreign application having a filing date before that of the application on which priority is claimed, by specifying the application serial number, country, day, month, and year of its filing.

Paulette Kidwell, Paralegal

Telephone: 703-305-3656

FORM PCT/DO/EO/917 (March 2001)

BEST AVAILABLE COPY